

FIG. 1



```

M:= (XXT·XX)      N:= (XXT·YY)
P:= M+OX          Q:= N+OY
bigβ:= P-1·Q
augX:= X
augXn,4:= 0
augXX:= XX
augXXn,4:=0
bidel:=4..rows(β)  newdels:=0
TREND:=(bigβ2)·60  newdels:= if(rows(β)>3,βbdel,0)
TREND2:=[(bigβ4)·60]+TREND
  
```

non-scalar value

FIG. 2

```

OX:=READPRN(olddtx)      OY:=READPRN(olddtxy)      OD:=READPRN(olddeliveries)

od:=0
  rows(OD)
  od:=  $\sum_{j=1}^{rows(OD)} OD_j$ 
  YY1,1:=1
  YYn,1:=1
  XX1,2:= $\left(\frac{Comp_{1,11}}{60}\right) \cdot (-1)$ 
  XXn,2:= $\left(\frac{Comp_{n,11}}{60}\right) \cdot (-1)$ 
  XX1,3:= $\left(Comp_{1,12}\right) \cdot (-1)$ 
  XXn,3:= $\left(Comp_{n,12}\right) \cdot (-1)$ 
  XX1,4:=X1,2
  XXn,4:=Xn,2
  YY1,1:=Y1,1-od
  YYn,1:= $(Y_{n,1}-od)-if[(rows(Num\_Del)>1),if[(Comp_{n,11})>(Num\_Del_{h,2}),\beta_{h+\beta shift},0],0]$ 

```

FIG. 3

kxb:=15..15+Num\_Meters

LR:=READPRN(lastrow)

Comp<sub>1,b</sub>:=LR<sub>b</sub>

cc:=2..rows(Comp)

lostsales<sub>kxb-14</sub>:=if [(Gross=1),  $\left[ \frac{(\text{Comp}_{2,\text{kxb}}) - (\text{Comp}_{1,\text{kxb}})}{\text{denom}} \right]$ ,  $\left[ \frac{(\text{Comp}_{2,\text{kxb}}) - (\text{Comp}_{1,\text{kxb}})}{\text{denom}} \right] \cdot [1 + [(60 - \text{Comp}_{2,9}) \text{ ce}]]$ ]

Num\_Meters

lsales:=  $\sum_{j=1}^{\text{lostsales}_j}$

day:=[(Comp<sub>2,2</sub>)·(-1)]-[(Comp<sub>1,2</sub>)·(-1)]

lhour:=(23-Comp<sub>1,3</sub>)·3600

lmin:=(60+Comp<sub>1,4</sub>)·60

nhour:=Comp<sub>2,3</sub>·3600

nmin:=[Comp<sub>2,4</sub>·(-1)]·60

ltime:=if[day>0,((day-1)·86400)+lhour+lmin+nhour+nmin,if[day=0,[(Comp<sub>2,3</sub>-Comp<sub>1,3</sub>)·3600]+lmin+nmin,-9999]]

Comp<sub>cc,11</sub>:=Comp<sub>cc,11</sub>+Comp<sub>1,11</sub>+ltime

Comp<sub>cc,12</sub>:=Comp<sub>cc,12</sub>+Comp<sub>1,12</sub>+lsales

FIG. 4

ROUTINE  
OPERATION  
100

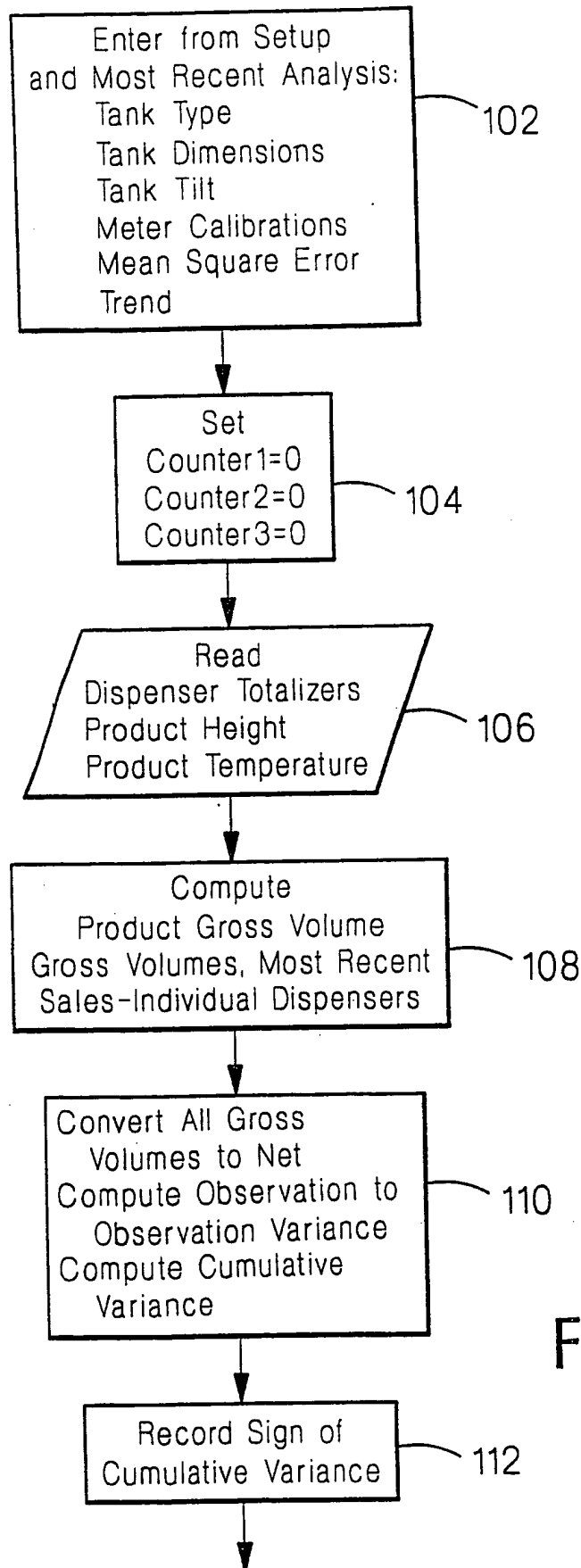
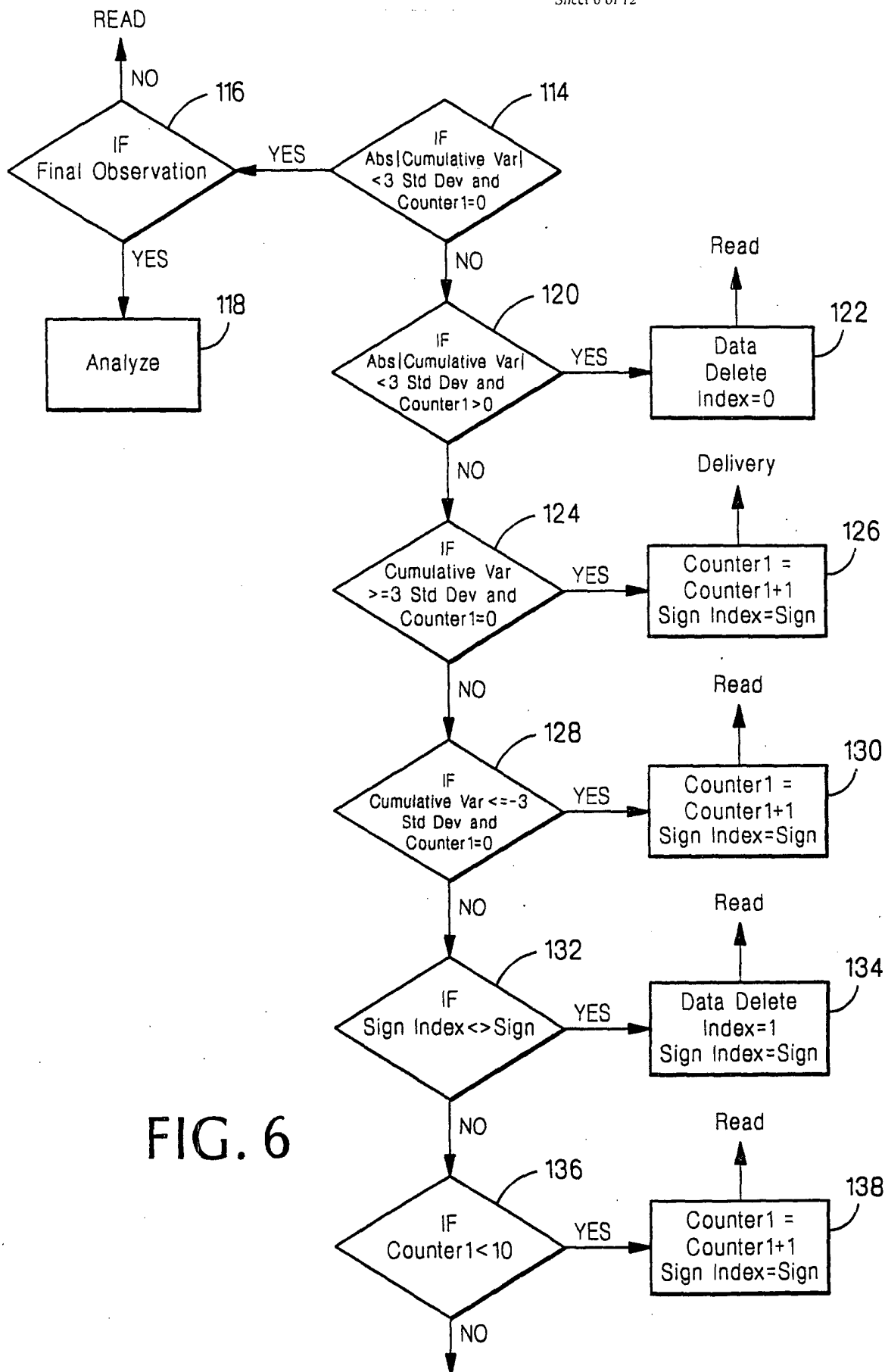
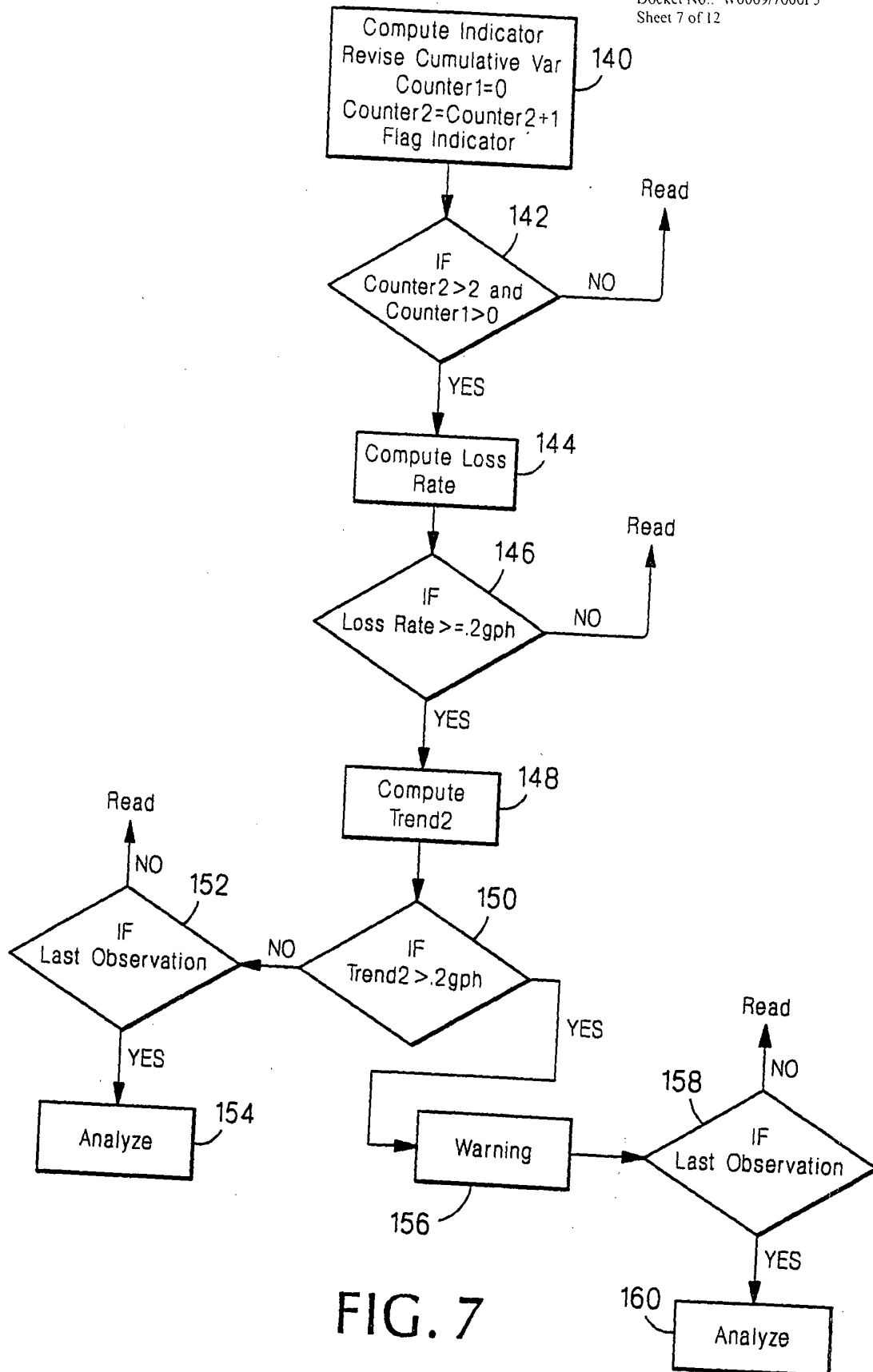


FIG. 5





# DATA DELETE

170

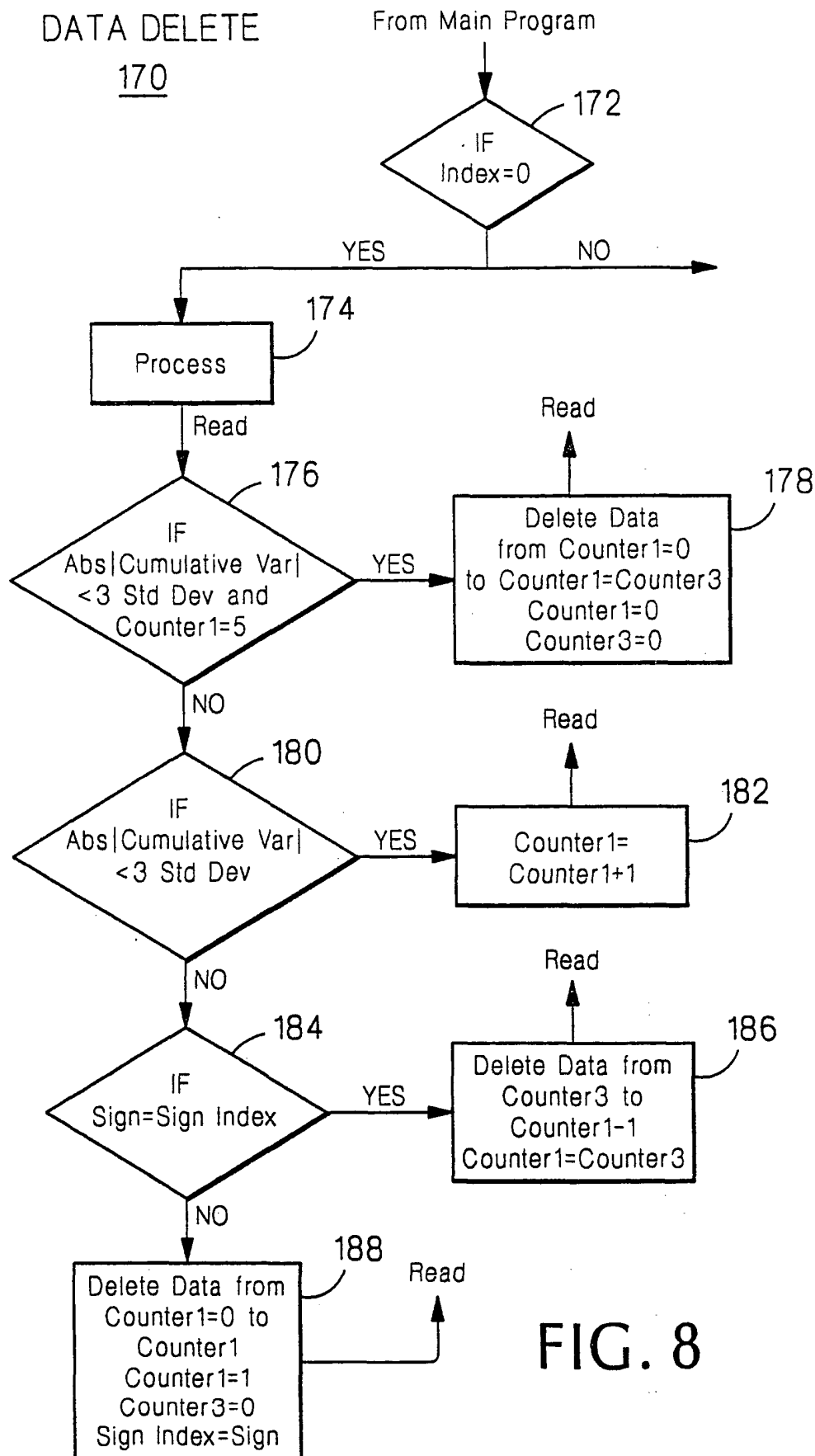


FIG. 8



# DELIVERY CALCULATION

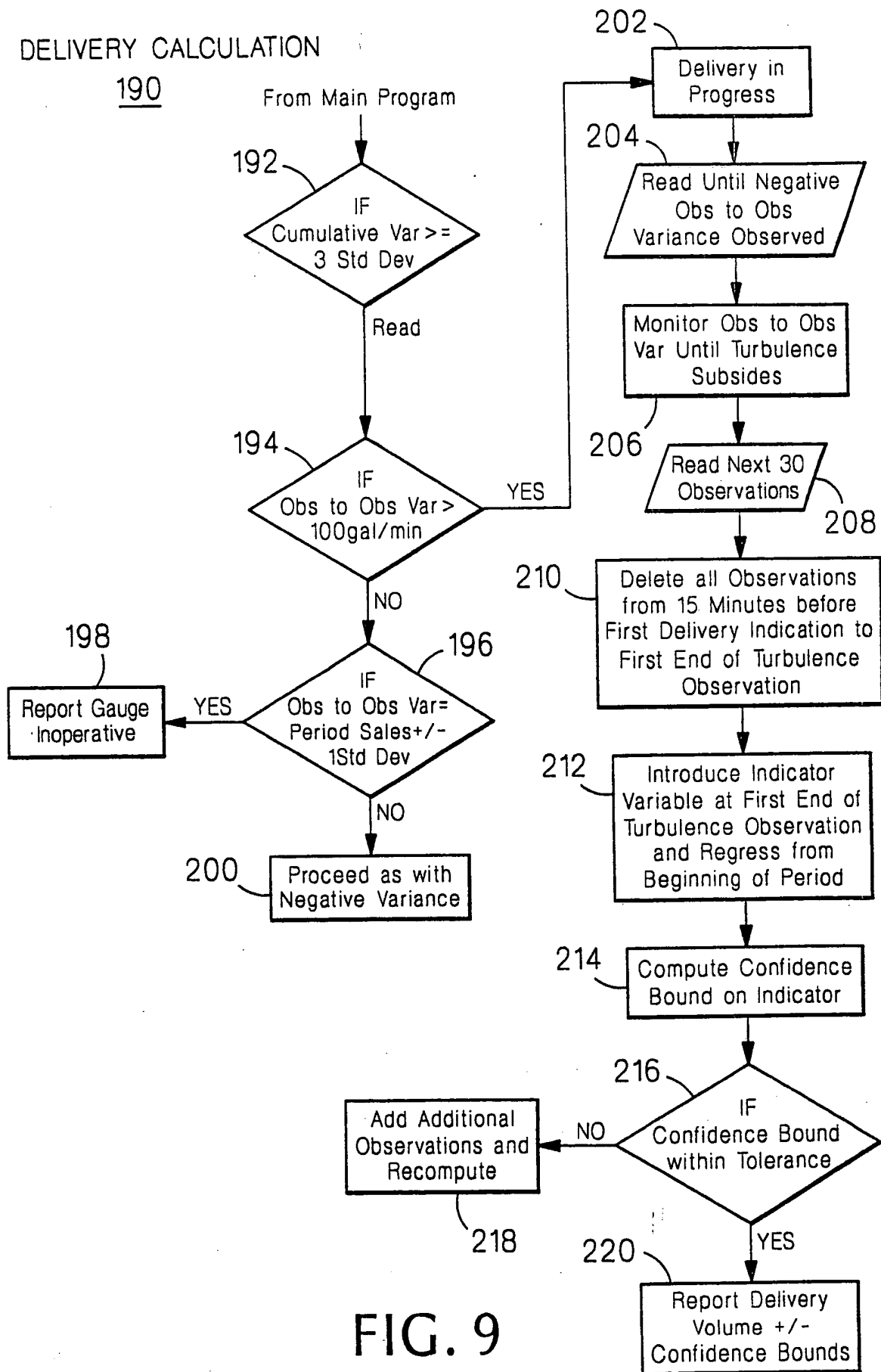


FIG. 9

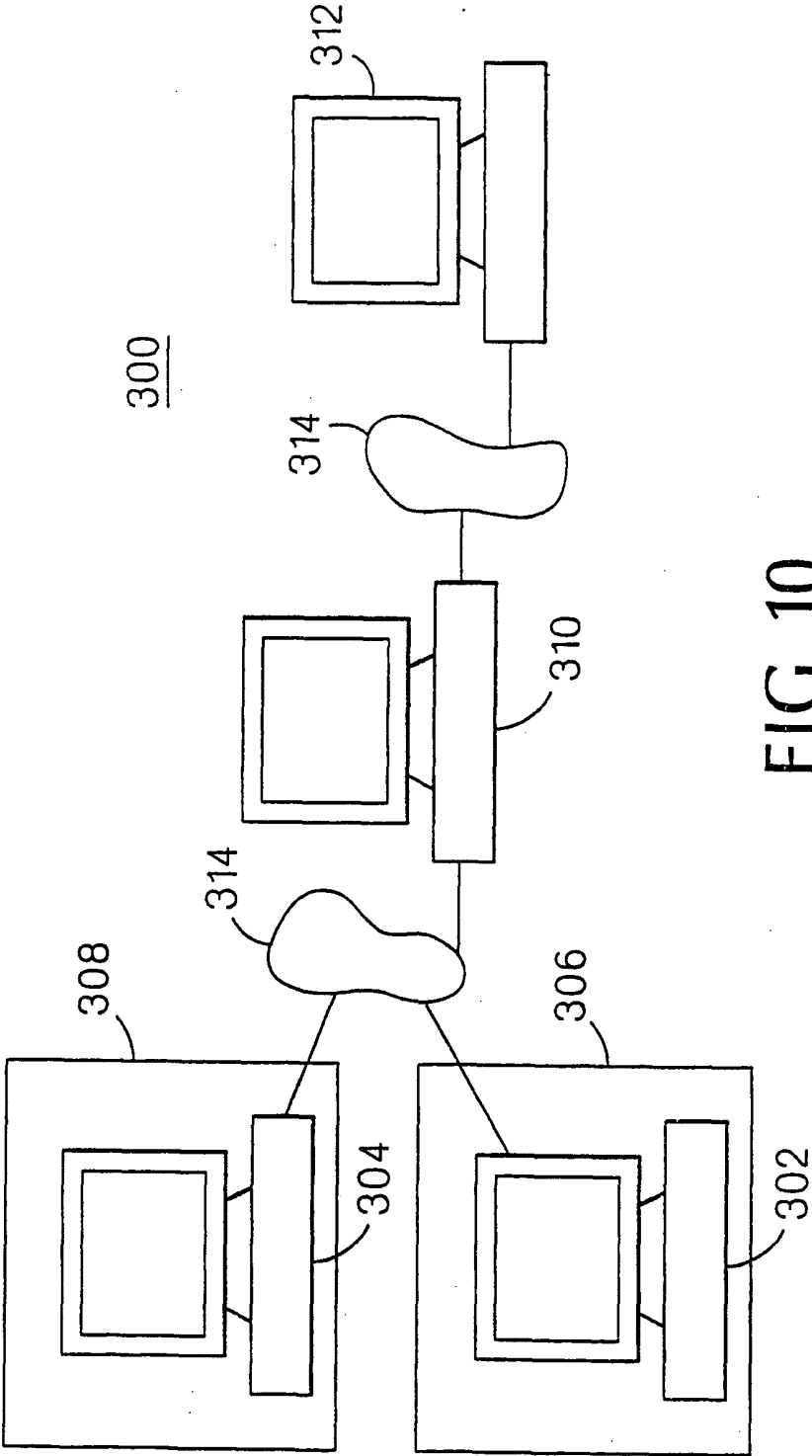
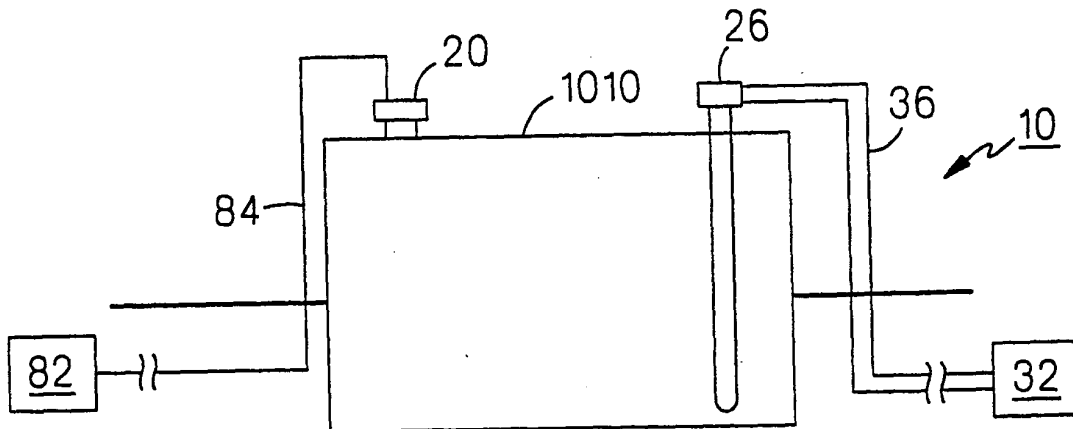
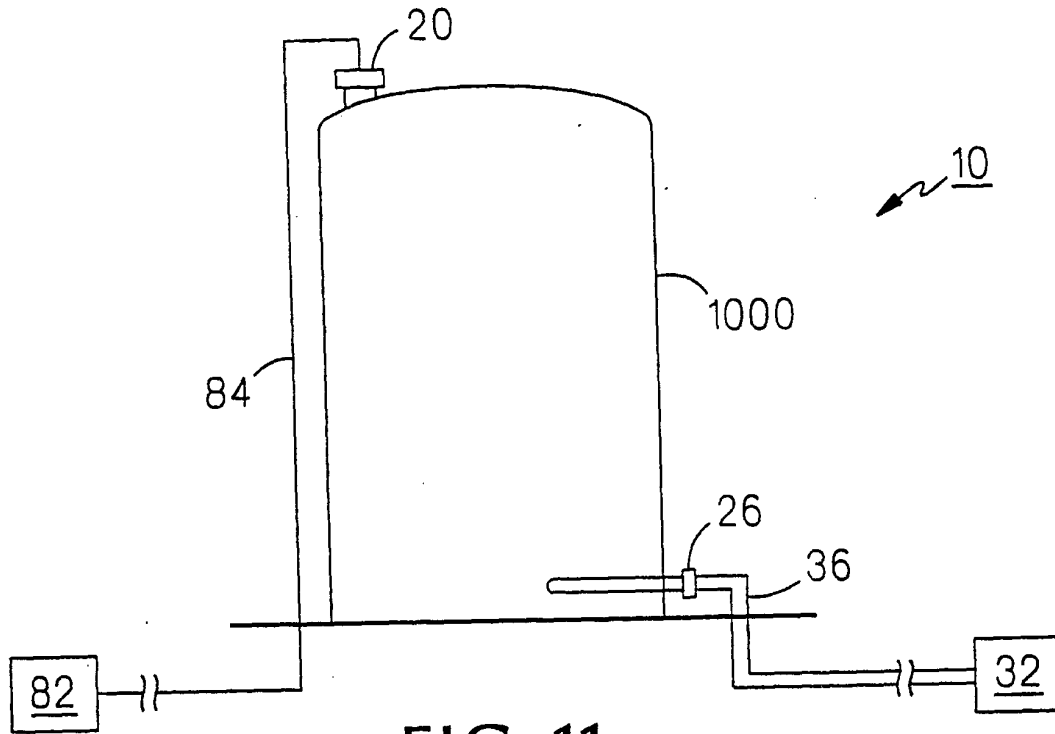


FIG. 10



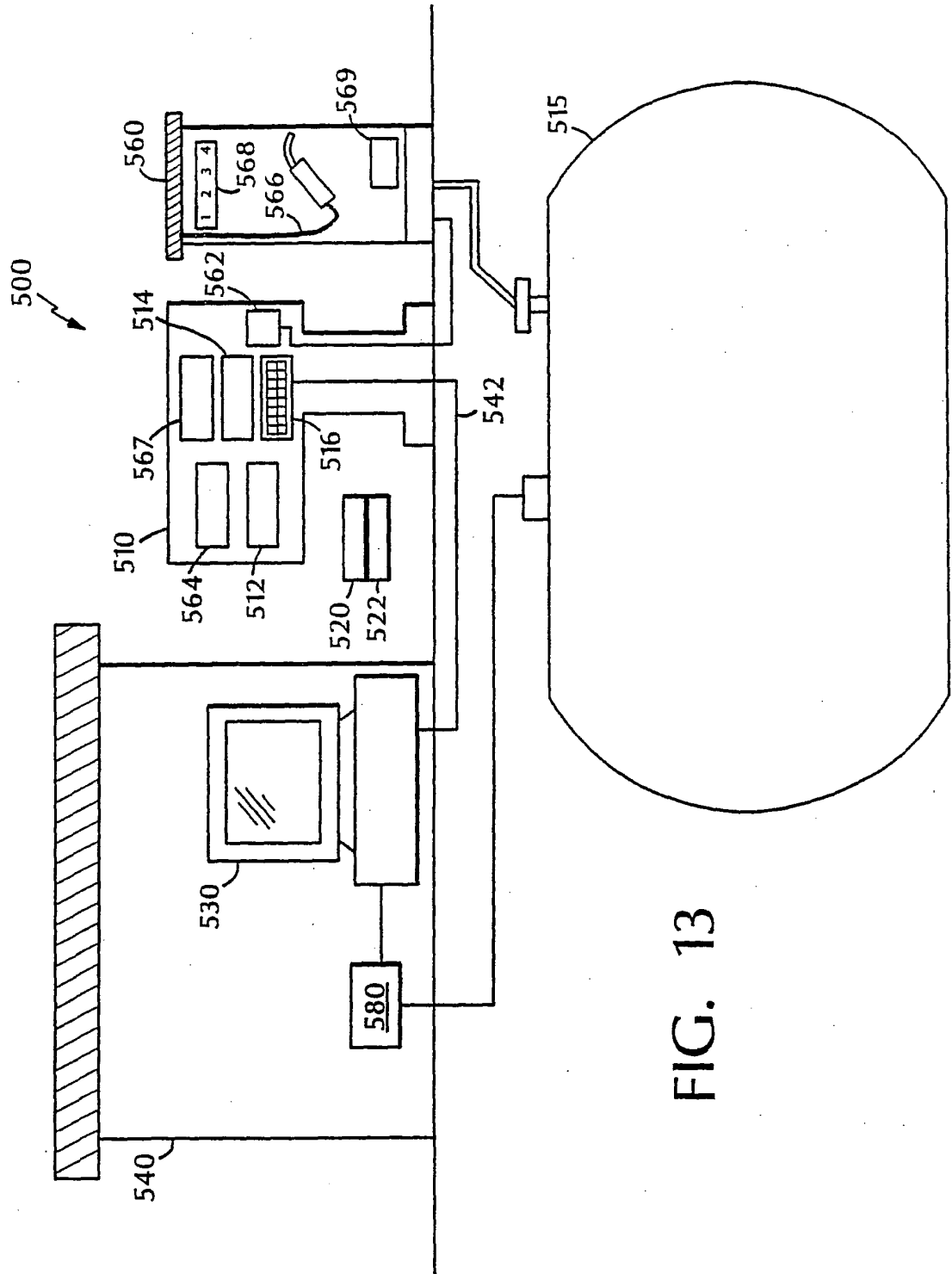


FIG. 13